

**RECEIVED
CENTRAL FAX CENTER**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 06 2004

OFFICIAL

Applicant:	GANG LUO ET AL.	§	Group Art Unit:	2172
Serial No.:	09/842,991	§		
Filed:	April 26, 2001	§	Examiner:	Chongshan Chen
For:	METHOD AND APPARATUS FOR PERFORMING HASH JOIN	§	Atty. Dkt. No.:	NCR.0038US (9558)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO OFFICE ACTION MAILED MAY 6, 2004

Dear Sir:

In response to the Office Action dated May 6, 2004, the applicants submit the following remarks regarding the above-identified application.

The claims have not been amended by this paper.

Remarks/Arguments begin on page 10 of this paper.

Date of Deposit: July 6, 2004
I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax No. 703/872-9306) on the date indicated above.
<i>Sherry Tipton</i>
Sherry Tipton

**RECEIVED
CENTRAL FAX CENTER**

JUL 06 2004

OFFICIAL**TROP, PRUNER & HU, P.C.**

INTELLECTUAL PROPERTY LAW ATTORNEYS

8554 Katy Freeway, Suite 100

Houston, Texas 77024

Bus: (713) 468-8880

Fax: (713) 468-8883

Fax

To:	Examiner Chonghsan Chen Group Art Unit 2172	From:	Dan C. Hu
Company:	USPTO	Date:	July 6, 2004
Fax:	(703) 872-9306	Pages:	14 (including coversheet)
Your Re:	09/842,991	Our Re:	9558 (NCR.0038US)

Attorney Docket No.: 9558 (NCR.0038US)

DCH/dlt

Date: April 30, 2004

The Patent and Trademark Office date stamp sets forth the receipt date (or both the receive date and the serial no.) of a patent application identified as follows:

Applicants: Gang Luo et al.

Serial No.: 09/842,991

Filing Date: April 26, 2001

Title: METHOD AND APPARATUS FOR PERFORMING HASH JOIN

1. Reply to Office Action Mail May 6, 2004

● **Notice:** This information is intended to be for the use of the individual or entity named on this transmittal sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution, or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify the sender by telephone immediately so that arrangements can be made for the retrieval of the original document at no cost to you.